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**INFORMATION DISCLOSURE
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Sheet 2 of 12

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Application Number	10/615,803
Filing Date	07/10/2003
First Named Inventor	Gregory S. Hamilton et al.
Group Art Unit	1625
Examiner Name	Unassigned

Attorney Docket Number 054707-1231

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)		
CA	A43	DE	3508251		09/11/1986	
CA	A44	DE	3931051		03/29/1990	
CA	A45	DE	4015255		11/14/1991	
CA	A46	EP	12401		06/25/1980	
CA	A47	EP	48159		03/24/1982	
CA	A48	EP	50800		05/05/1982	
CA	A49	EP	73143		03/02/1983	
CA	A50	EP	88350		09/14/1983	
CA	A51	EP	196841		10/08/1986	
CA	A52	EP	260118		03/16/1988	
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CA	A55	EP	378318		07/18/1990	
CA	A56	EP	405994		01/02/1991	
CA	A57	EP	419049		03/27/1991	
CA	A58	EP	468339		01/29/1992	
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CA	A65	WO	96/41609		12/27/1996	
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CA	A67	WO	95/35367		12/28/1995	
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CA	A82	WO	94/07858		04/14/1994	
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CA	A84	WO	96/06097		02/29/1996	
CA	A85	WO	94/05639		03/17/1994	

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				First Name & Initials	Gregory S. Hamilton et al.
				Group Art Unit	1625
				Examiner Name	Unassigned
Sheet	3	of	12	Attorney Docket Number	054707-1231

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CA	A87	WO	92/04370		03/19/1992	
CA	A88	WO	92/00278		01/09/1992	
CA	A89	WO	88/09789		12/15/1988	
CA	A90	WO	90/12805		11/01/1990	
CA	A91	WO	91/13088		09/05/1991	
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CA	A93	WO	96/17816		06/13/1996	
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NON PATENT LITERATURE DOCUMENTS						
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CA	A95	ASKIN, et al., "Efficient Degradation of FK-506 to a versatile synthetic intermediate," <u>J. Org. Chem.</u> , 1990, Vol. 55(20), pgs. 55451-4.				
CA	A96	GOULET, et al., "Degradative studies on the tricarbonyl containing macrolide rapamycin," <u>Tetrahedron Lett.</u> , 1990, Vol. 31(34), pgs. 4845-8.				
CA	A97	JONES, et al., "Chemistry of tricarbonyl hemiketals and application of Evans technology to the total synthesis of the immunosuppressant (-) - FK-506," <u>J. Am. Chem. Soc.</u> , 1990, Vol. 112(8), pgs. 2998-3017.				
CA	A98	JONES, et al., "A formal synthesis of FK-506. Exploration of some alternatives to macrolactamization," <u>J. Org. Chem.</u> , 1990, Vol. 55(9), pgs. 2786-97.				
CA	A99	RAO, et al., "Studies directed towards the synthesis of immunosuppressive agent FK-506: construction of the tricarbonyl moiety," <u>Tetrahedron Lett.</u> , 1990, Vol. 31(10), Pgs. 1439-42.				
CA	A100	HARDING, et al., "A receptor for the immunosuppressive FK506 is a cis-trans peptidyl-prolyl isomerase," <u>Nature Lett.</u> , 1989, Vol. 341, pgs. 758-60.				
CA	A101	FINBERG, et al., "Prevention of HIV-1 Infection and Preservation of CD4 Function by the Binding of CPFs to gp120," <u>Science</u> , 1990, Vol. 249, pgs. 287-91.				
CA	A102	GOODFELLOW, et al., "p-Nitrophenyl 3-diazopyruvate and diazopyruvamide, a New Family of Photoactivatable Cross-Linking Bioprobes," <u>Biochemistry</u> , Vol. 28(15), pgs. 6346-60.				
CA	A103	WASSERMAN, et al., "Synthesis of the tricarbonyl region of FK-506 through an amidophosphorane [Erratum to document cited in CA111(7):57366p]," <u>J. Org. Chem.</u> , 1989, Vol. 54(22), pg. 5406.				

Examiner Signature	<i>AS/ACH</i>	Date Considered	<i>4.14.04</i>
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CA	A104	WASSERMAN, et al., "Synthesis of the tricarbonyl region of FK-506 through an amidosphere," <u>J. Org. Chem.</u> , 1989, Vol. 54(12), pgs. 2785-6.			
CA	A105	DRAGOVICH, et al., "Structured-Based Design of Novel, Urea-Containing FKBP12 Inhibitors," <u>J. Med. Chem.</u> , 1996, Vol. 39, pgs. 1872-1884.			
CA	A106	GOLD, et al., "The Immunosuppressant FK506 Increases the Rate of Axonal Regeneration in Rat Sciatic Nerve," <u>The Journal of Neuroscience</u> , 1995, Vol. 15(11), pgs. 7509-7516.			
CA	A107	GOLD, et al., "The Immunosuppressant FK506 increases functional recovery and nerve regeneration following peripheral nerve injury," <u>Restorative Neurology and Neuroscience</u> , 1994, Vol. 6, pgs. 287-296.			
CA	A108	LYONS, et al., "Immunosuppressant FK506 promotes neurite outgrowth in culture of PC12 cells and sensory ganglia," <u>Proc. Natl. Acad. Sci. USA</u> , 1994, Vol. 91, pgs. 3191-3195.			
CA	A109	GOLD, et al., "Multiple signals underlie the anatomy-induced up-regulation of c-JUN in adult sensory neurons," <u>Neuroscience Letters</u> 176, 1994, pgs. 123-127.			
CA	A110	GOLD, et al., "Regulation of the transcription factor c-JUN by nerve growth factor in adult sensory neurons," <u>Neuroscience Letters</u> 154, 1993, pgs. 129-133.			
CA	A111	ASKIN, et al., "Chemistry of FK-506: benzilic acid rearrangement of the tricarbonyl system," <u>Tetrahedron Lett.</u> , 1989, Vol. 30(6), pgs. 671-4.			
CA	A112	COLEMAN, et al., "Degradation and manipulations of the immunosupressant FK506: preparation of potential synthetic intermediates," <u>Heterocycles</u> , 1989, Vol. 28(1), pgs. 157-61.			
CA	A113	FAELTH, et al., "Interactions between C=S groups in 1, 2 and 1, 3-bis (thiocarbonyl) Compounds: A Study by Spectroscopy, X-Ray Crystallography, and CNDO/S Calculations," <u>THEOCHEM</u> , 1989, Vol. 55, pgs. 239-59.			
CA	A114	DOULMEDAIS, et al., "Stereochemistry of Electrochemical Reduction of Optically Active α -ketoamides. II. Electroc reduction of benzoylformamides derived from S-(\leftarrow)-proline," <u>Bull. Soc. Chim. Fr.</u> , 1989, Vol. (2), pgs. 185-01. (French)			
CA	A115	SOAI, et al., "Asymmetric Allylation of α -keto amides Derived from (S)-proline esters," <u>Pept. Chem.</u> , 1986, Vol. 24, pgs. 327-30.			
CA	A116	MUNEGUMI, et al., "Asymmetric Catalytic Hydrogenations of N-pyruvyl-(S)-proline esters," <u>Bull. Chem. Soc. Jpn.</u> , 1987, Vol. 60(1), pgs. 243-53.			
CA	A117	SOAI, et al., "Diastereoselective asymmetric allylation of chiral α -keto amides with allyltrimethylsilane. Preparation of protected homoallylic alcohols," <u>J. Chem. Soc.</u> , 1984, Vol. 15, pgs. 1016-17.			
CA	A118	SOAI, et al., "Sodium borohydride as diastereoselective reducing agent of chiral α -keto amides," <u>Pept. Chem.</u> , 1982, Vol. 20, pgs. 81-4.			

Examiner Signature	<i>Alli Lakh</i>	Date Considered	4/14/04
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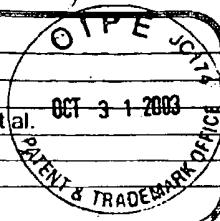
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CA	A119	SOAI, et al., "Asymmetric Synthesis of Functionalized tertiary alcohols by diastereoselective allylation of chiral α -keto amides derived from (S)-proline esters: control of stereochemistry based on saturated coordination of Lewis acid," <u>J. Org. Chem.</u> , 1986, Vol. 51(17), pgs. 3290-5. (English)			T ⁶
CA	A120	SOAI, et al., "Asymmetric synthesis of both enantiomers of α -hydroxy acids by the diastereoselective reduction of chiral α -keto amides with complex metal hydrides in the presence of a metal salt," <u>Chem. Lett.</u> , 1986, Vol. 11, pgs. 1897-900.			
CA	A121	SOAI, et al., "Diastereoselective reduction of chiral α -keto amides derived from (S)-proline esters with sodium borohydride. Preparation of optically active α -hydroxy acids," <u>J. Chem. Soc.</u> , 1985, Vol. 1(14), pgs. 769-72.			
CA	A122	BENDER, et al., "Periodate oxidation of α -keto γ -lactams. Enol oxidation and β -lactam formation. Mechanism of periodate hydroxiation reactions," <u>J. Org. Chem.</u> , 1978, Vol. 43(17), pgs. 3354-62.			
CA	A123	COLOMBO, et al., "Enantioselective synthesis of secondary alcohols in the presence of chiral ligands," <u>Tetrahedron</u> , 1982, Vol. 38(17), pgs. 2725-7.			
CA	A124	SOAI, et al., "Unusual effect of mixed solvent on the asymmetric reduction of chiral α -keto amides with sodium borohydride," <u>J. Chem. Soc.</u> , 1982, Vol. 21, pgs. 1282-3.			
CA	A125	STEGLICH, et al., "Activated carboxylic acid derivatives. II. A simple synthesis of 2-oxycarboxylic acid amides, N-(2-oxoacyl) amino acid esters and 2-oxocarboxylic acid hydrazides," <u>Synthesis</u> , 1978, Vol. 9, pgs. 622-4. (German)			
CA	A126	CUSHMAN, et al., "Design of potent competitive inhibitors of angiotensin-converting enzyme. Caboxylalkanoyl and mercaptoalkanoyl amino acids," <u>Biochemistry</u> , 1977, Vol. 16(25), pgs. 5484-91.			
CA	A127	STEGLICH, et al., "A rational synthesis of N-trifluoroacetyl amino acids," <u>Synthesis</u> , 1976, Vol. 8, pgs. 399-401. (German)			
CA	A128	BYCROFT, et al., "Efficient asymmetric synthesis of .alpha. -amino from .alpha. -keto acids and ammonia with conservation of the chiral reagent," <u>J. Chem. Soc.</u> , 1975, Vol. 24, pgs. 988-9.			
CA	A129	CHAKARABORTY, "Studies towards the development of cyclic peptide-based analogs of macrolide immunosuppressants," <u>Pure Appl. Chem.</u> , 1996, Vol. 68(3), pgs. 565-568.			
CA	A130	PONTICELLI, "Treatment of the Nephrotic Syndrome with Cyclosporin A," <u>J. of Autoimmunity</u> , 1992, Vol. 5, pgs. 315-24.			
CA	A131	TINDALL, "Immunointervention with Cyclosporin A in autoimmune Neurological Disorders," <u>J. of Autoimmunity</u> , 1992, Vol. 5, pgs. 301-313.			
CA	A132	TUGWELL, "Cyclosporin in the Treatment of Rheumatoid Arthritis," <u>J. of Autoimmunity</u> , 1992, Vol. 5, pgs. 231-40.			

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CA	A133	FRY, "Psoriasis: Immunopathology and Long-term Treatment with Cyclosporin," <i>J. of Autoimmunity</i> , 1992, Vol. 5, pgs. 277-83.			
CA	A134	FEUTRAN, "The Optimal use of Cyclosporin o in Autoimmune Disease," <i>J. of Autoimmunity</i> , 1992, Vol. 5, pgs. 183-95.			
CA	A135	SLEE, et al., "Selectivity in the Inhibition of HIV and FIV Protease: Inhibitory and Mechanistic Studies of Pyrrolidine-Containing α -Keto Amide and Hydroxyethylamine Core Structures," <i>J. Am. Chem. Soc.</i> , 1995, Vol. 117(48), pgs. 1187-78.			
CA	A136	NICOLAU, et al., "Total synthesis of rapamycin," <i>Che. -Eur. J.</i> , 1995, Vol. 1(5), pgs. 318-33.			
CA	A137	MUNOZ, et al., " α -ketoamide Phe-Pro isostere as a new core structure for the inhibition of HIV protease," <i>Bioorg. Med. Chem.</i> , 1994, 2(10), 1085-90.			
CA	A138	HAUSKE, et al., "Investigation of the effects of synthetic non-cytotoxic immunophilin inhibitors on MDR," <i>Bioorg. Med. Chem. Lett.</i> , 1994, 4(17), 2097-102.			
CA	A139	MASHKOVSKII, et al., "1-[4-(2-Hydroxy-3-tert-butylaminopropoxy)-indole-3-yl (5-acetamido-1-(S)-carboxypentyl) -DL-alanyl] -L-proline dihydrochloride, a new angiotensin-converting enzyme inhibitor with β -adrenoblocking properties," <i>Khim. -Farm. Zh.</i> , 1993, Vol. 27(10), pgs. 16-20.			
CA	A140	Ranganathan, Darshan et al., "Protein Backbone Modification by Novel C α -C Side-Chain Scission," 1994, <i>J. Am. Chem. Soc.</i> , Vol. 116(15), pgs. 6545-57.			
CA	A141	Baader, Ekkehard et al., "Inhibition of prolyl 4-hydroxylase by oxaryl amino acid derivatives in vitro, in isolated microsomes and in embryonic chicken tissues," <i>Biochem. J.</i> , 1994, Vol. 300(2), pgs. 525-30.			
CA	A142	Holt, Dennis A. et al., "Structure-activity of synthetic FKBP ligands as peptidyl-prolyl isomerase inhibitors," <i>Bioorg. Med. Chem. Lett.</i> , 1994, Vol. 4(2), pgs. 315-20.			
CA	A143	Karle, Isabella L. et al., "Conformation of the oxalamide group in retro-bispeptides. Three crystal structures," <i>Int. J. Pept. Protein Res.</i> , 1994, Vol. 43(2), pgs. 160-5.			
CA	A144	Kaczmar, et al., "Darstellung verschiedener Schlangenkäfig-Polyelektrolyte auf der Basis von Polyacrylamiden und einem Anionenaustauscher," <i>Makromol. Chem.</i> , 1976, Vol. 177, pgs. 1981-9. (German)			
CA	A145	Steiner, Joseph P. et al., "High brain densities of the immunophilin FKBP colocalized with calcineurin," <i>Nature Lett.</i> , 1992, Vol. 358, pgs. 584-7.			
CA	A146	Pattenden, Gerald and Trkard, Mark, "Facile Synthesis of the tricarbonyl subunit in the imunosupresant rapamycin," <i>Tetrahedron Lett.</i> , 1993, Vol. 34(16), pgs. 2677-80.			

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CA	A148	Ranganathan, Darshan et al., "Oxalopeptides as core motifs for protein design," J. Chem. Soc., 1993, Vol. (1), pgs. 92-4.			
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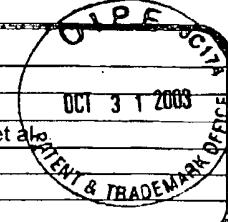
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Date Submitted: <i>(use as many sheets as necessary)</i>				Filing Date	07/10/2003
				First Named Inventor	Gregory S. Hamilton et al.
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CA	A162	Armistead, D.M. et al., "Design, synthesis and structure of non-macrocyclic inhibitors of FKBP12, the major binding protein for the immunosuppressant FK506," <i>Acta Crystallogr.</i> 1995, Vol. D51(4), pgs. 522-8.	
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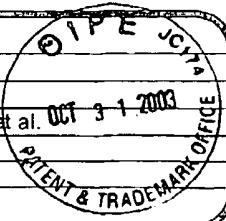
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CA	A222	Kost, A.N. et al. "Indole Chemistry, XXVII. 2-(Haloacetyl) indoles", <u>Khim Geterotsikl. Soedin.</u> , (1971) Vol. 7(11), pgs. 1522-26.	
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CA	A227	SHARKEY, John et al., "Immunophilins mediate the neuroprotective effects of FK506 in focal cerebral ischemia," <u>Chemical Abstract</u> , 121:221398 (XP002212406)	

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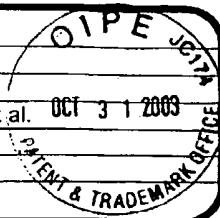
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Sheet	1	of	12	Attorney Docket Number	054707-1231



Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
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Examiner Signature	Ali Lakh	Date Considered	4.14.04
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